Index of Claims

| Application No. | Applicant(s)     |  |
|-----------------|------------------|--|
| 09/353,120      | VILLAROSA ET AL. |  |
| Examiner        | Art Unit         |  |
| Pankaj Kumar    | 2631             |  |

| 7 | Rejected |
|---|----------|
| = | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla               | aim      | Date     |          |         |          |                    | <b></b>      | Cla      | Date     |          |          |       |          | 1::::         | CI            | aim                | ı               |          | Date            |               |            |         |          | _         |          |              |              |          |  |          |        |
|-------------------|----------|----------|----------|---------|----------|--------------------|--------------|----------|----------|----------|----------|-------|----------|---------------|---------------|--------------------|-----------------|----------|-----------------|---------------|------------|---------|----------|-----------|----------|--------------|--------------|----------|--|----------|--------|
| <u> </u>          |          |          |          |         |          |                    |              |          |          |          |          |       |          |               |               |                    | $\neg$          | 1        | <del>⊢ ິ'</del> | Ĭ             | Date       |         |          |           |          |              |              | _        |  |          |        |
| Final             | Original | 12/23/04 |          |         |          |                    |              |          |          |          |          | Final | Original |               |               |                    | i e             |          |                 |               |            | Final   | Original |           |          |              |              |          |  |          |        |
| 1                 | 1        | ▐        |          | 7       | T        | 寸                  |              |          |          |          |          |       | 51       | $\Box$        | $\neg \vdash$ | 1                  | T               |          | $\top$          | +             | 1          |         | 101      | $\vdash$  | $\dashv$ | +            | +-           | ╁        | ┢  | Н        |        |
| 2                 | 2        | =        |          |         | 寸        | 寸                  | 寸            |          | П        |          |          |       | 52       |               | $\top$        | $\top$             | 十               | $\Box$   |                 | 1             |            |         | 102      |           | +        | +            | ╁            | ╅        | H  | Н        |        |
| 3                 | 3        | =        | П        |         | 寸        | ヿ                  | コ            |          |          |          |          |       | 53       | $\vdash$      | $\dashv$      | +-                 | T               | $\Box$   |                 | +-            |            | <b></b> | 103      | Н         | $\dashv$ | ╁            | ╈            | $\vdash$ | H  | $\vdash$ | _      |
| 4                 | 4        | =        | $\Box$   | T       | 寸        | $\dashv$           | 寸            |          | П        |          |          |       | 54       |               | +             |                    | $t^-$           | $\vdash$ |                 | +-            |            |         | 104      | H         |          | +            | ╁            | $\vdash$ | Н  | Н        |        |
| 5                 | 5        | =        | $\Box$   | $\neg$  | $\dashv$ | $\neg$             |              |          |          |          |          |       | 55       |               |               | 1                  |                 | m        | _               | _             | 1          |         | 105      | Ħ         | +        | +            | +            | H        | -  | $\vdash$ |        |
| 13                | 6        | =        |          | $\neg$  | T        | 寸                  |              |          |          |          |          |       | 56       | H             | 十             | _                  | 1               | $\Box$   | 7               | 1             | 1          |         | 106      | $\Box$    | $\dashv$ | +-           | 1            | -        | <del>                                     </del> | М        |        |
| 14                | 7        | =        |          | 1       | $\neg$   | 丁                  |              |          |          |          |          |       | 57       | П             | $\neg$        |                    |                 | $\Box$   |                 | 1             |            |         | 107      |           | $\dashv$ | $\top$       | ✝            | ╁        | 1  | П        |        |
| -0                | 8        |          |          |         |          |                    |              |          |          |          |          |       | 58       | П             |               |                    |                 |          | $\neg$          |               | 1          |         | 108      |           | _        | ┪            | $\top$       |          |  | П        |        |
| 9                 | 9        | -        |          |         |          | T                  | П            |          |          |          |          |       | 59       |               |               |                    | Т               |          |                 | 1             |            |         | 109      |           |          | $\top$       | †            |          | _  |          |        |
| 15                | 10       | ı,       |          | П       | Т        |                    | П            |          |          |          |          |       | 60       | П             | T             | 1                  |                 |          |                 |               |            |         | 110      |           | $\neg$   | ┪            | 1            |          |  | П        |        |
| 16                | 11       | II       |          |         | I        | $\Box$             | П            |          |          |          |          |       | 61       | П             | $\neg \vdash$ | 1                  |                 |          |                 |               |            |         | 111      |           | 十        | 1            | T            | t        |  | $\Box$   |        |
| 17                | 12       | IJ       |          |         | J        |                    |              |          |          |          |          |       | 62       |               |               | $\top$             |                 |          | T               |               |            |         | 112      |           | $\top$   | 1            |              | Ī        |  | П        |        |
| 18                | 13       | ıı       |          |         |          |                    |              |          |          |          |          |       | 63       |               |               |                    |                 |          | $\neg$          | 1             |            |         | 113      |           |          | Τ            | Τ            | 1        |  | П        |        |
| 20                | 14       | II       |          |         |          |                    |              |          |          |          |          |       | 64       | П             | $\Box$        | $\top$             |                 |          | $\neg$          |               |            |         | 114      |           |          | T            | 1            | T        |  |          |        |
| 21                | 15       | =        |          |         |          |                    |              |          |          |          |          |       | 65       |               |               | $\top$             |                 |          | $\top$          |               |            |         | 115      | $\neg$    |          |              | Т            | Ī        |  |          | _      |
| 6                 | 16       | II       |          |         |          |                    |              |          |          |          |          |       | 66       | П             |               | $\top$             | Π               | $\neg$   | T               | i             |            |         | 116      | $\neg$    |          | 1            |              |          |  |          |        |
| -0                | 17       | •        |          |         |          |                    |              | ]        |          |          |          |       | 67       | П             |               | 7                  |                 | $\neg$   | $\neg \vdash$   | $\top$        |            |         | 117      | $\neg$    |          | _            |              | t        |  | $\Box$   |        |
| -0                | 18       | -        |          |         |          |                    |              |          |          |          |          |       | 68       |               |               |                    |                 |          |                 |               | 1          |         | 118      |           | $\neg$   | 7            |              | $\vdash$ |  | $\Box$   |        |
| 7                 | 19       | =        |          |         |          |                    |              |          |          |          |          |       | 69       |               |               |                    |                 |          |                 |               |            |         | 119      |           |          |              |              |          |  | $\Box$   |        |
| 8                 | 20       | =        |          |         |          |                    |              |          |          |          |          |       | 70       |               |               |                    |                 |          |                 |               |            |         | 120      |           | T        |              | T            | Г        | _  | $\Box$   |        |
| -0                | 21       | -        |          |         |          |                    |              |          |          |          |          |       | 71       |               |               |                    |                 |          |                 | $\top$        |            |         | 121      |           |          | $\top$       |              |          | П  |          |        |
| -0                | 22       | -        |          |         |          |                    |              |          |          |          |          |       | 72       |               |               | 1                  |                 |          |                 |               |            |         | 122      |           |          | $\top$       |              |          |  | コ        |        |
| -0                | 23       | •        |          |         |          |                    |              |          |          |          |          |       | 73       |               |               |                    |                 |          |                 |               |            |         | 123      |           |          |              |              |          |  | $\neg$   |        |
| -0                | 24       | -        | $\perp$  | $\perp$ |          |                    |              |          |          |          |          |       | 74       |               |               | T                  |                 |          |                 |               |            |         | 124      |           | 一门       |              |              | Г        |  | $\Box$   |        |
| 22                | 25       | =        | $\perp$  |         | ┙        |                    |              |          |          |          |          |       | 75       |               |               |                    |                 |          |                 |               |            |         | 125      |           | T        | Т            | T            |          |  | T        |        |
| -0                | 26       | -        | _        | _       | $\perp$  |                    |              |          |          |          |          |       | 76       |               |               |                    |                 |          |                 |               |            |         | 126      |           |          | T            | Т            | Π        |  |          |        |
| 9                 | 27       | =        | $\perp$  | _       |          | $\bot$             | $\Box$       |          |          |          |          |       | 77       |               |               |                    |                 |          |                 |               |            |         | 127      |           |          |              | Τ            |          |  | $\neg$   |        |
| 10                | 28       | =        | _        | ┵       | $\perp$  | $\perp \!\! \perp$ |              |          | $\perp$  |          |          |       | 78       |               |               |                    |                 |          |                 |               |            |         | 128      |           |          |              | Г            |          |  | $\Box$   |        |
| 19                | 29       | =        | _        | $\perp$ | $\bot$   | $\perp$            |              |          |          |          |          |       | 79       |               |               |                    |                 |          |                 |               |            |         | 129      |           |          |              |              |          |  | $\neg$   | -      |
| 11                | 30       | =        | _        | _       | $\perp$  | $\dashv$           | 4            | _        | _        |          |          |       | 80       |               |               |                    |                 |          |                 |               |            |         | 130      |           |          | Τ            |              |          |  | $\neg$   |        |
| 12                | 31       | =        | _        |         | _        |                    | _            | _        | _        |          |          |       | 81       |               |               |                    |                 |          | ┸               |               |            |         | 131      |           |          |              |              |          |  |          |        |
|                   | 32       | _        | 4        | _       | _        | $\perp$            | _            | _        | _        |          |          |       | 82       |               |               |                    |                 |          | $\perp$         |               |            |         | 132      |           |          |              |              |          |  |          |        |
|                   | 33       | _        | 4        | _       | _        | 4                  | _            | _        | $\dashv$ | _        |          |       | 83       | $\perp$       |               | Т.                 | Ш               |          |                 |               |            |         | 133      |           |          |              |              |          |  |          |        |
|                   | 34       | _        | _        | $\bot$  | 4        | _                  | 4            | _        | _        |          |          |       | 84       |               | $\perp$       |                    |                 |          |                 | ╧             |            |         | 134      |           |          |              |              |          |  |          |        |
|                   | 35       | _        | _        | _       | _        | 4                  | 4            | _        | _        |          |          |       | 85       | $\perp$       |               |                    |                 | ᆚ        |                 |               |            |         | 135      |           |          | ┖            |              |          |  |          |        |
|                   | 36       |          | _        | 4       | 4        | _                  | _            | _        | _        | _        |          |       | 86       | $\Box$        |               | _                  | Ш               |          |                 | $\perp$       |            |         | 136      | $\perp$   |          | $\perp$      |              |          |  |          |        |
|                   | 37       | _        | _        | _       | 4        | 4                  | _            | _        | 4        | _        |          |       | 87       |               |               |                    | Ш               |          | $\perp$         |               |            |         | 137      |           |          | $\perp$      |              |          |  |          |        |
|                   | 38       |          | _        | _       | $\perp$  | 4                  | _            | _        | _        | _        |          |       | 88       |               |               |                    |                 |          |                 | $\perp$       |            |         | 138      |           |          |              |              |          |  |          |        |
|                   | 39       | _        | $\dashv$ | -       | 4        | $\perp$            | 4            | _        | 4        |          |          |       | 89       |               |               | _                  | $\Box$          |          |                 | $\perp$       |            | ]       | 139      | $\bot$    |          |              |              |          |  |          |        |
|                   | 40       |          | _        | _       | $\perp$  | $\perp$            | 4            | $\dashv$ | _        | _        |          |       | 90       | $\perp \perp$ | $\perp$       | $\perp$            | Ш               | $\perp$  |                 | $\perp$       |            |         | 140      |           |          | Ĺ            | $\Box$       |          |  |          |        |
|                   | 41       | _        | -        | 4       | +        | $\perp$            | $\downarrow$ | _        | $\dashv$ | _        |          |       | 91       | $\perp$       |               | $\perp$            | Ш               | $\bot$   | $\perp$         | $\perp$       |            |         | 141      | $\perp I$ |          | L            |              |          |  |          |        |
|                   | 42       |          | -+       | +       | 4        | -                  | 4            | _        | _        | _        |          |       | 92       | $\perp$       | 4_            | 4                  | Ш               | $\bot$   | $\perp$         | $\perp \perp$ |            |         | 142      | $\perp$   | $\perp$  |              |              |          |  |          |        |
|                   | 43       |          | +        | +       | +        | +                  | - -          | $\dashv$ | _        | _        |          |       | 93       |               | $\perp$       | $oldsymbol{\perp}$ | $\sqcup$        | _        | _ _             | $\perp$       | ا <b>ا</b> |         | 143      |           | _ _      | <u> </u>     |              | Ш        | $\Box$   |          |        |
|                   | 44       |          | +        | +       | +        | +                  | 4            |          | $\dashv$ |          |          |       | 94       |               | $\bot$        | $\bot$             | $\sqcup$        | 4        | _               | Ш             |            |         | 144      | _         | $\perp$  | $\perp$      | $oxed{oxed}$ | Ш        |  | _        |        |
| $\longrightarrow$ | 45       |          | +        | +       | -        | +                  | +            | $\dashv$ | $\dashv$ |          |          |       | 95       | $\perp$       | $\bot$        | $\vdash$           | $\sqcup$        | 4        | 丄               | $\perp \perp$ |            |         | 145      | $\perp$   | $\perp$  | _            | oxdot        |          |  | $\perp$  |        |
|                   | 46<br>47 |          | +        | +       | +        | +                  | +            | -        | -        | 4        |          |       | 96       | $-\downarrow$ | $\bot$        | $\perp$            | $\sqcup$        | _        |                 | $\bot \bot$   |            |         | 146      | $\dashv$  | 4        | ↓_           | Ш            |          | $ \bot $   | _        |        |
|                   | 48       |          | +        | +       | +        | +                  | +            | +        | -+       | $\dashv$ | <b>.</b> |       | 97       | -             |               | $\bot$             | Щ               | 4        | $\perp$         |               |            |         | 147      | _ .       |          | 1_           | Ш            | Ш        | _  | _        | $\Box$ |
|                   | 49       |          | +        | +       | +        | +                  | +            | +        | -        | $\dashv$ |          |       | 98       | $\dashv$      |               | ╂_                 | $\sqcup$        | -        | -               | +             |            |         | 148      | 4         | 4        | ↓_           | Ш            | $\sqcup$ | 4  | _        | _      |
|                   | 50       | -+       | -+       | +       | +        | +                  | +            | -+       | $\dashv$ | 닉        | 1        |       | 99       | $\dashv$      | -             | +                  | $\vdash \vdash$ | 4        | _               | 4-1           |            |         | 149      | _         | $\bot$   | $\downarrow$ | Щ            | $\sqcup$ |  | _        | ᆜ      |
|                   | υU       |          |          | I       | _[_      |                    |              | L        |          |          |          |       | 100      |               | - 1           | 1                  | ıl              | ı        | - 1             | 1 1           | :::::      | ŀ       | 150      | - 1       | 1        | 1            | ıl           |          |  | - 1      | - 1    |